ABSTRACT OF THE DISCLOSURE

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A thin film piezoelectric device includes a substrate (12) having via holes (22) and a piezoelectric laminated structure (14) consisting of a lower electrode (15), a piezoelectric film (16), and an upper electrode (17) formed on the substrate (12) via an insulation layer (13). A plurality of thin film piezoelectric resonators (210, 220) are formed for the via holes (22). The piezoelectric laminated structure (14) includes diaphragms (23) located to face the via holes (22) and a support area other than those. The thin film piezoelectric resonators (210, 220) are electrically connected by the lower electrode (15). When the straight line in the substrate plane passing through the centers (1, 2) of the diaphragms (23) of the thin film piezoelectric resonators (210, 220) has the length D1 of the segment passing through the support area and the distance between the centers of the diaphragms of the thin film piezoelectric resonators (210, 220) is D0, the ratio D1/D0 is 0.1 to 0.5. The via hole (22) is fabricated by the deep graving type reactive ion etching method.